

# STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 14:48:04 ON 11 SEP 2003

L1 2251 S SIGMA (W) FACTOR  
 L2 243 S L1 AND REVIEW/DT  
 L3 0 S L2 AND (CORYNE? OR BREVIBACTERI?)  
 L4 120 S L2 AND BACTERI?  
 L5 5707 S SIGC OR SIGD OR SIGE OR SIGM  
 L6 1 S L4 AND L5  
 L7 77 S L1 AND L5  
 L8 4 S L7 AND (CORYNE? OR BREVIBACTER?)  
 L9 7881 S L5 OR L1  
 L10 19 S L9 AND (CORYNE? OR BREVIBACT?)  
 L11 15 S L10 NOT L8

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:172101 CAPLUS  
 TI Sequence of sigM gene from corynebacteria and use  
 thereof in synthesis of L-lysine  
 IN Bathe, Brigitte; Bastuck, Christine; Farwick, Mike; Hermann, Thomas;  
 Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 42 pp.

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
|      | -----            | ---- | -----    | -----            | -----    |
| PI   | WO 2002018599    | A1   | 20020307 | WO 2001-EP9972   | 20010830 |
|      | DE 10136984      | A1   | 20020418 | DE 2001-10136984 | 20010728 |
|      | AU 2001089850    | A5   | 20020313 | AU 2001-89850    | 20010830 |
|      | US 2002106755    | A1   | 20020808 | US 2001-942935   | 20010831 |
| PRAI | DE 2000-10043337 | A    | 20000902 |                  |          |
|      | DE 2001-10136984 | A    | 20010728 |                  |          |
|      | WO 2001-EP9972   | W    | 20010830 |                  |          |

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:172091 CAPLUS  
 TI Sequence of sigC gene from corynebacteria and use  
 thereof in synthesis of L-lysine  
 IN Bathe, Brigitte; Hans, Stephan; Farwick, Mike; Hermann, Thomas; Pfefferle,  
 Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 40 pp.

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
|      | -----            | ---- | -----    | -----            | -----    |
| PI   | WO 2002018589    | A2   | 20020307 | WO 2001-EP9163   | 20010808 |
|      | DE 10133426      | A1   | 20020314 | DE 2001-10133426 | 20010710 |
|      | AU 2001093740    | A5   | 20020313 | AU 2001-93740    | 20010808 |
|      | EP 1320543       | A2   | 20030625 | EP 2001-974138   | 20010808 |
|      | US 2002146782    | A1   | 20021010 | US 2001-941936   | 20010830 |
| PRAI | DE 2000-10043332 | A    | 20000902 |                  |          |
|      | DE 2001-10133426 | A    | 20010710 |                  |          |
|      | WO 2001-EP9163   | W    | 20010808 |                  |          |

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:171940 CAPLUS  
 TI Sequence of sigE gene from corynebacteria and use thereof in synthesis of L-lysine  
 IN Moeckel, Bettina; Hermann, Thomas; Farwick, Mike; Binder, Michael; Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 45 pp.

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | WO 2002018428    | A2   | 20020307 | WO 2001-EP8146   | 20010714 |
|      | WO 2002018428    | A3   | 20020606 |                  |          |
|      | DE 10126422      | A1   | 20020314 | DE 2001-10126422 | 20010531 |
|      | AU 2001085843    | A5   | 20020313 | AU 2001-85843    | 20010714 |
|      | EP 1320616       | A2   | 20030625 | EP 2001-965132   | 20010714 |
|      | US 2002103356    | A1   | 20020801 | US 2001-935757   | 20010824 |
| PRAI | DE 2000-10043336 | A    | 20000902 |                  |          |
|      | DE 2001-10126422 | A    | 20010531 |                  |          |
|      | US 2001-295009P  | P    | 20010604 |                  |          |
|      | WO 2001-EP8146   | W    | 20010714 |                  |          |

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:251845 CAPLUS  
 TI Structure and organization of the rrnD operon of "Brevibacterium lactofermentum": analysis of the 16S rRNA gene  
 AU Amador, Eladio; Castro, Jose M.; Correia, Antonio; Martin, Juan F.  
 SO Microbiology (Reading, United Kingdom) (1999), 145(4), 915-924

L11 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:673430 CAPLUS  
 TI Promoters of Corynebacterium glutamicum  
 AU Patek, Miroslav; Nesvera, Jan; Guyonvarch, Armel; Reyes, Oscar; Leblon, Gerard  
 SO Journal of Biotechnology (2003), 104(1-3), 311-323

L11 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:586275 CAPLUS  
 TI Cloning, characterisation and phylogenetic analysis of the sigA .sigma.70 factor gene sequence from the actinomycete Frankia  
 AU Blaha, D.; Cournoyer, B.  
 SO Plant and Soil (2003), 254(1), 97-106

L11 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:511487 CAPLUS  
 TI Use of sigA gene variants of Corynebacterium glutamicum for improved yields of lysine in fermentation  
 IN Bathe, Brigitte; Hans, Stephan; Kreutzer, Caroline; Pfefferle, Walter  
 PA Degussa Ag, Germany  
 SO PCT Int. Appl., 49 pp.

|      | PATENT NO.       | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|------------------|------|----------|------------------|----------|
| PI   | WO 2003054179    | A1   | 20030703 | WO 2002-EP11561  | 20021016 |
|      | DE 10162729      | A1   | 20030703 | DE 2001-10162729 | 20011220 |
| PRAI | DE 2001-10162729 | A    | 20011220 |                  |          |

L11 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2002:839270 CAPLUS  
 TI The Brevibacterium flavum sigma factor SigB/  
 has a role in the environmental stress response  
 AU Halgasova, Nora; Bukovska, Gabriela; Ugorcakova, Jana; Timko, Jozef;  
 Kormanec, Jan  
 SO FEMS Microbiology Letters (2002), 216(1), 77-84

L11 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:663152 CAPLUS  
 TI Cloning and transcription characterization of two sigma  
 factor genes, sigA and sigB, from Brevibacterium flavum  
 AU Halgasova, Nora; Bukovska, Gabriela; Timko, Jozef; Kormanec, Jan  
 SO Current Microbiology (2001), 43(4), 249-254  
 Oct

L11 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:64126 CAPLUS  
 TI Stationary-phase related .sigma. factor (katF gene),  
 defect in microorganism for enhanced L-amino acid production  
 IN Kimura, Eiichiro; Ito, Hisao; Kurahashi, Osamu  
 PA Ajinomoto Co., Inc., Japan  
 SO PCT Int. Appl., 21 pp.  
 LA Japanese

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
|      | -----          | ---  | -----    | -----           | -----    |
| PI   | WO 2001005939  | A1   | 20010125 | WO 2000-JP4775  | 20000714 |
|      | JP 2003204788  | A2   | 20030722 | JP 1999-205269  | 19990719 |
| PRAI | JP 1999-205269 | A    | 19990719 |                 |          |

L11 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1997:511416 CAPLUS  
 TI Transcriptional analysis of the sigA and sigB genes of  
 Brevibacterium lactofermentum  
 AU Oguiza, Jose A.; Marcos, Ana T.; Martin, Juan F.  
 SO FEMS Microbiology Letters (1997), 153(1), 111-117

L11 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1996:36160 CAPLUS  
 TI Multiple sigma factor genes in Brevibacterium  
 lactofermentum: characterization of sigA and sigB  
 AU Oguiza, Jose A.; Marcos, Ana T.; Malumbres, Marcos; Martin, Juan F.  
 SO Journal of Bacteriology (1996), 178(2), 550-53

L11 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1995:978371 CAPLUS  
 TI Genomic organization of the mycobacterial sigma gene cluster  
 AU Doukhan, Laurence; Predich, Mima; Nair, Gopalan; Dussurget, Olivier;  
 Mandic-Mulec, Ines; Cole, Stewart T.; Smith, Douglas R.; Smith, Issar  
 SO Gene (1995), 165(1), 67-70

## WEST Search History

DATE: Thursday, September 11, 2003

| <u>Set Name</u><br>side by side                     | <u>Query</u>   | <u>Hit Count</u> | <u>Set Name</u><br>result set |
|---|--|------------------|-------------------------------|
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i> |  |                  |                               |
| L11   | L10 saME (sigma adj factor)                          | 14               | L11                           |
| L10   | (coryneform or corynebacterium or glutamicum)        | 11971            | L10                           |
| L9  | 17 and (coryneform or corynebacterium or glutamicum) | 66               | L9                            |
| L8  | L6 same bacteri\$                                    | 192              | L8                            |
| L7  | L6 and bacteri\$                                     | 323              | L7                            |
| L6  | sigma adj factor                                     | 362              | L6                            |
| L5  | L3 and bacteri\$                                     | 5                | L5                            |
| L4  | L3 and (coryneform or corynebacterium or glutamicum) | 2                | L4                            |
| L3  | L2 or 11   | 293              | L3                            |
| L2  | sigma adj factor adj c                               | 2                | L2                            |
| L1  | sigc   | 293              | L1                            |

END OF SEARCH HISTORY